

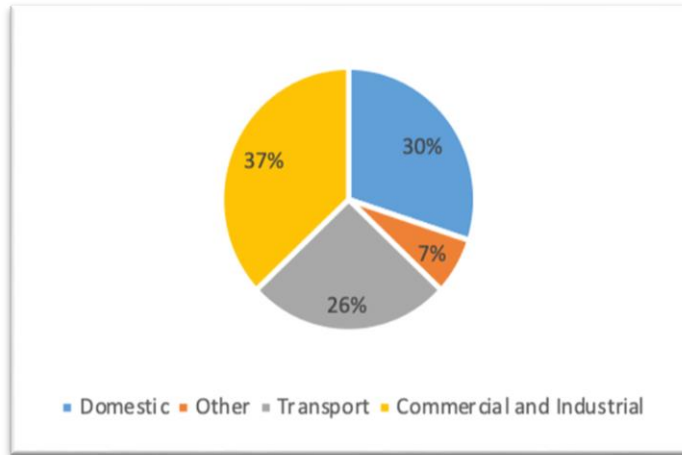
Climate Emergency - Greening the local authority fleet

Andy Hickford– Project Manager
Leeds City Council

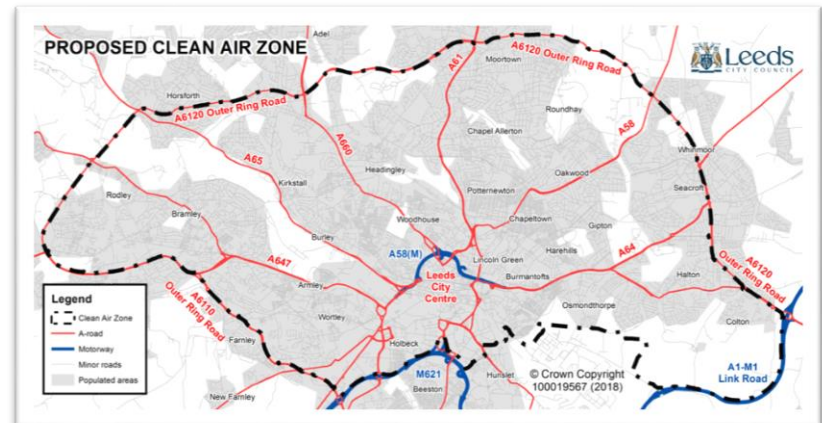
Clean Air
Leeds



Leeds City Council – The Air Quality & Carbon Challenge



- Introduction of Clean Air Zone
- Climate Emergency Declaration
- Public Health
- Emissions from Transport



Leeds City Council – Fleet Replacement Programme

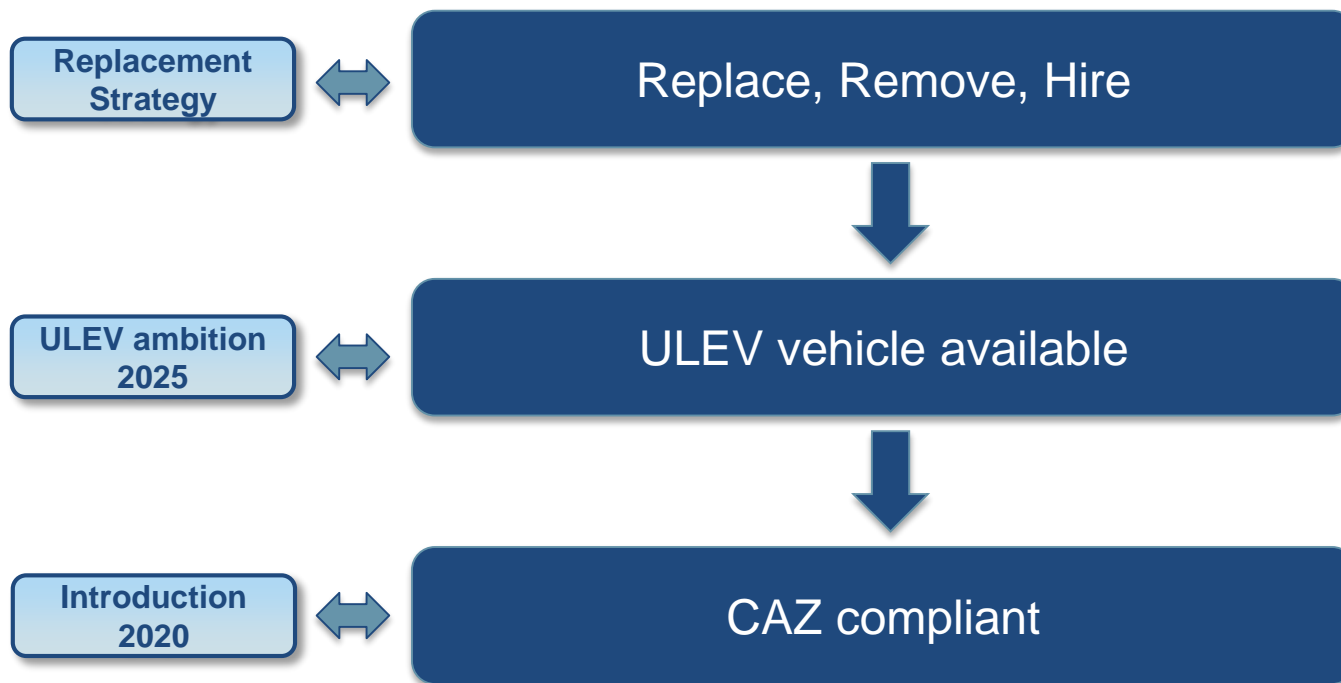
Aim – Improve Air Quality, Reduce Carbon Impact & improve fleet efficiency

- **Fleet Profiling** (1132 excluding hire vehicles)
- **Rationalisation** (CAZ non-compliant, end of life, assess utilisation/flexibility)
- **Assess replacement options – ULEV is default** (dispose, replace, hire, ULEV, CAZ compliance, operational needs)
- **Governance & Finance** (corporate governance process & re-design of procurement process/budget setting)
- **Procurement** (corporate contract procedure rules, TPPL framework)
- **Monitor & Evaluation** (AQ / CO2 Emissions Telematics, Driver Feedback, Service History)
- **Innovation** (V2G/Accra)



Leeds City Council – Fleet Replacement Programme

Determine whether and when vehicle requires replacement



Leeds City Council – Fleet Replacement Programme

Whole life cost of ULEV considered

Iveco Daily Electric - price comparison (six year lifetime - 5,000 miles per annum)

	Mileage	Price	Fuel	CAZ levy	Grant	Vehicle duty	Overall Cost	Cost differential	
								Lifetime	Per Annum
Iveco Daily Electric 3.5 tonne	30,000	£80,000.00	£1,230.00	£0.00	£8,000.00	£0.00	£73,230.00		
Iveco Daily Electric 5.0 tonne	30,000	£100,000.00	£1,230.00	£0.00	£20,000.00	£0.00	£81,230.00		
Iveco Daily 3.5 tonne Euro VI	30,000	£35,000.00	£1,980.00	£0.00	£0.00	£840.00	£42,020.00	£31,210.00	£5,201.67
Iveco Daily 5.0 tonne Euro VI	30,000	£35,000.00	£1,980.00	£0.00	£0.00	£840.00	£42,020.00	£39,210.00	£6,535.00

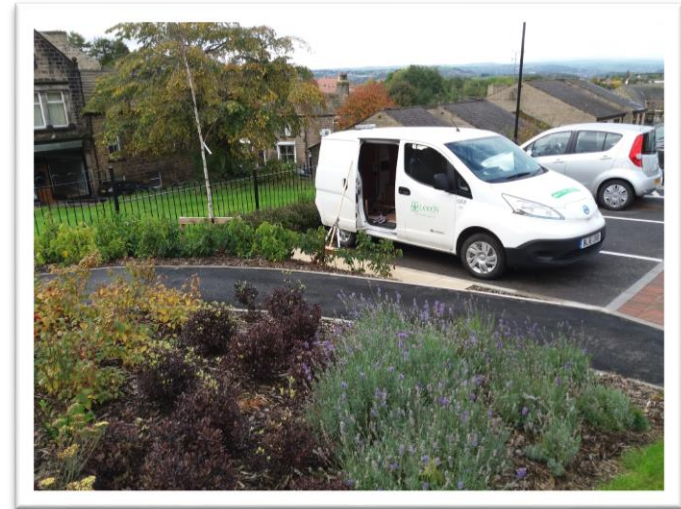
LDV EV80 - price comparison (five year lifetime - 9,000 miles per annum)

	Mileage	Price	Fuel	CAZ levy	Grant	Vehicle duty	Overall Cost	Cost differential	
								Lifetime	Per Annum
LDV EV80	45,000	£60,000.00	£1,845.00	£0.00	£8,000.00	£0.00	£53,845.00		
Ford Transit Custom	45,000	£16,500.00	£2,970.00	£0.00	£0.00	£840.00	£20,310.00	£33,535.00	£5,589.17

Not always an easy choice



Leeds City Council – Fleet Replacement Programme

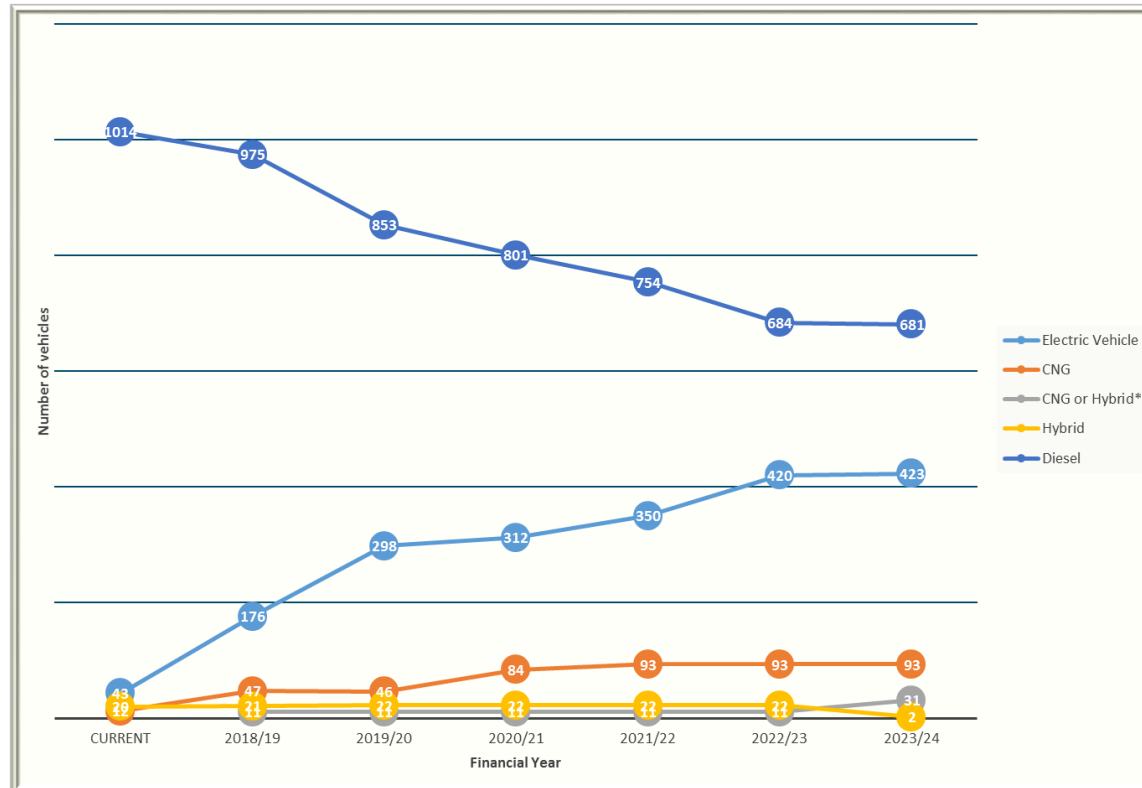


Current electric
and CNG
vehicles



Leeds City Council – Fleet Replacement Programme

Fleet transition 2018 - 2024



Greening The City Fleet

- Electric vehicle charging infrastructure – WY Project 88
- Rapid EVCP Network
- Alternative fuel strategy
- Clean Air Zone
- Taxi & Private Hire Licensing
- Transport Strategy
- Bike Share
- E-Bikes
- Clean Air Leeds
- Work with Key Stakeholders
- Lobbying
- Centre For Excellence



EV Centre of Excellence

The need to focus on vans?

- 4 million+ vans on UK roads
- Van miles will increase 80% from 2010-2040
- 96% diesel fuelled, 0.3% ULEV
- No CAZ charges in Leeds

Taxi and private hire

- £50 weekly CAZ charge drives fleet changes
- Driver fears about range, cost and practicality of BEVs
- Hands on experience helps overcome fears

E-bikes

- Uniquely suited to short business journeys
- Ideal for urban businesses operating at multiple sites
- Big savings on mileage rates



EV Centre of Excellence



Our EV offer

- Free telematics assessments in existing vehicle
- Loan E-vehicle for two months
- Expertise to help with every stage of the process
- Top up grants up to £1,000 over and above OLEV workplace charging grant
- Detailed total cost of ownership report at end of trial – aim to build as strong a business case as possible

E-bikes

- Loan e-bikes to businesses to trial for pool travel
- Signpost to free training or bike friendly business grants
- Advocates in the business will promote and administer scheme to staff
- Business has option to buy bike at the end of the trial period

